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Substitute for form 1449A/PTO		Complete if Known	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary)		Application Number	09/494,096
		Filing Date	January 28, 2000
		First Named Inventor	Gary A. Bannon
		Group Art Unit	1643, 1644
		Examiner Name	HUYNH, P
Attorney Docket Number	HS 102 CIP (2)		

Sheet 1 of 2

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		Number	Kind Code ² (if known)			

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		Office. ²	Number ⁴	Kind Code ⁵ (if known)				
PAT ↓		WO	95/07933	A1	Allergene, Inc.	03-23-1995		
		WO	97/24139	A1	University of Arkansas	07-10-1997		
		WO	98/43657	A2	Merck Patent GMBH	10-08-1998		
		WO	99/38978	A1	University of Arkansas; Mt. Sinai School of Medicine of the City of New York	08-05-1999		

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PJK ↓ ✓		FERREIRA, et al., "Modulation of IgE reactivity of allergens by site-directed mutagenesis: potential use of hypoallergenic variants for immunotherapy," <i>FASEB J</i> 12:231-242 (1998).	
		RABJOHN, et al., "Molecular cloning and epitope analysis of the peanut allergen Ara h 3," <i>Journal of Clinical Investigation</i> 103(4):535-541 (1999).	
		TAKAI, et al., "Engineering of the major house dust mite allergen Der f 2 for allergen-specific immunotherapy," <i>Nature Biotechnology</i> 15:754-58 (1997).	
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		AAS, et al., "Physico-chemical properties and specific activity of a purified allergen (codfish)," <i>Dev. Biol. Stand.</i> 29:90-98 (1975).	
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		BSAC Working Party, "Position paper on allergen immunotherapy," <i>Clin Exp Allergy</i> 23:1-44 (1993).	
		BURKS, "Allergenicity of peanut and soybean extracts altered by chemical or thermal denaturation in patients with atopic dermatitis and positive food challenges," <i>J Allergy Clin Immunol</i> 90(6 pt 1):889-97 (1992).	
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		BURKS, et al., "Identification of a major peanut allergen Ara h 1, in patients with atopic dermatitis and positive peanut challenge," <i>J. Allergy Clin. Immunol.</i> 88:172-179 (1991).	
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		DEJONG, et al., "Food allergen (peanut)-specific TH2 clones generated from the peripheral blood of a patient with peanut allergy," <i>J Allergy Clin Immunol.</i> 98(1):73-81 (1996).	
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		*KRIEG, et al., "CpG motifs in bacterial DNA trigger direct B-cell activation," <i>Nature</i> 374(6522):546-9 (1995).	
		MCKEON, "IgG and IgE Antibodies Against Antigens of the Cat Flea, <i>Ctenocephalides Felis Felis</i> in Sera of Allergic and Non-allergic Dogs," <i>Int. J. Parasitology</i> 24(2):259-263 (1994).	
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Substitute for form 1449A/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary)		Complete if Known	
		Application Number	09/494,096
		Filing Date	January 28, 2000
		First Named Inventor	Gary A. Bannon
		Group Art Unit	1643
		Examiner Name	
Sheet 8 of 10	Attorney Docket Number	HS 102 CIP (2)	

OTHER ART - NON PATENT LITERATURE DOCUMENTS			
Examiner's Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published	T ²
		*POSCH, et al., "Characterization and identification of latex allergens by two-dimensional electrophoresis and protein microsequencing," <i>J. Allergy Clin. Immunol</i> 99(3):385-395 (1997).	
		PUCHEU-HASTON, "Allergenic cross-reactivities in flea-reactive canine serum samples," <i>AJVR</i> 57(7):1000-1005 (1996).	
		RAZ, et al., "Intradermal gene immunization: the possible role of DNA uptake in the induction of cellular immunity to viruses," <i>Proc Nat Acad Sci USA</i> 91:9519-9523 (1994).	
		ROLFSEN, "Detection of specific IgE antibodies towards cat flea (<i>Ctenocephalides felis felis</i>) in patients with suspected cat allergy," <i>Allergy</i> 42:177-181 (1987).	
		ROONEY, et al., "Antiparallel, intramolecular triplex DNA stimulates homologous recombination in human cells," <i>Proc. Natl. Acad. Sci. USA</i> 92: 2141-2144 (1995).	
		SAMPSON, et al., "Fatal and near-fatal anaphylactic reactions to food in children and adolescents," <i>N Engl J Med</i> 327:380-384 (1992).	
		SAMPSON, "Food allergy and the role of immunotherapy," <i>J Allergy Clin. Immun.</i> 90:151-52 (1992).	
		SAMPSON, et al., "Mechanisms of food allergy," <i>Annu. Rev. Nutr.</i> 16:161-77 (1996).	
		SCHEMMER, "Efficacy of Alum-Precipitated Flea Antigen for Hyposensitization of Flea-Allergic Dogs," <i>Seminars in Veterinary Medicine and Surgery (Small Animal)</i> 2(3):195-198 (1987).	
		SEVIER, et al., "Monoclonal Antibodies in clinical immunology," <i>Clin. Chem.</i> 27:11, 1797-1806 (1981).	

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Sheet	9	of	10	Attorney Docket Number	HS 102 CIP (2)

OTHER ART - NON PATENT LITERATURE DOCUMENTS			
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		SHANTI, et al., "Identification of tropomyosin as the major shrimp allergen and characterization of its IgE-binding epitopes," <i>J. Immunol.</i> 151:5354-5363 (1993).	
		SHIN, et al., "Biochemical and structural analysis of the IgE binding sites on Ara h1, an abundant and highly allergenic peanut protein," <i>J Biol Chem.</i> 273(22):13753-9 (1998).	
		STANLEY, et al., "Identification and mutational analysis of the immunodominant IgE binding epitopes of the major peanut allergen Ara h 2," <i>Arch. Biochem. Biophys.</i> 342:244-253 (1997).	
		STANLEY, et al., "Peanut hypersensitivity. IgE binding characteristics of a recombinant Ara h 1 protein," <i>Adv Exp Med Biol.</i> 409:213-6 (1996).	
		STEINBERGER, et al., "Construction of a combinatorial IgE library from an allergic patient. Isolation and characterization of human IgE Fabs with specificity for the major timothy grass pollen allergen, Phl p 5," <i>J. Biol. Chem.</i> 271:10967-10982 (1996).	
		SZOSTAK, "In vitro genetics," <i>TIBS</i> 19:89 (1992).	
		THOMAS, et al., "Purification of membrane proteins," <i>Meth. Enzymol.</i> 182:499-520 (1990).	
		TWARDOSZ, "Molecular Characterization, Expression in Escherichia coli, and Epitope Analysis of a Two EF-Hand Calcium-Binding Birch Pollen Allergen, Bet v 4," <i>Biochem. Biophys. Res. Commun.</i> 239:197-204 (1997).	
		VOLLER, et al., "Enzyme-linked immunosorbent assay," <i>Manual of Clinical Laboratory Immunology</i> , (Rose, ed.), Chap. 17, Third Edition, pp. 99-109, 1986.	
		VRTALA, "High Level Expression in Escherichia coli and Purification of Recombinant Plant Profilins: Comparison of IgE Binding Capacity and Allergenic Activity," <i>Biochem. Biophys. Res. Comm.</i> 226:42-50 (1996).	

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Examiner's Signature		Date Considered	2/17/02
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